The Effect of S of Uranyl Ferr	ome Ions on the ocyanide From /	Precipitat Iqueous Solu	ition 777	'53 1/75-15-1-15/29	
	Table 1. Resul	its of amper	cometric titr	ation of uranvi	
	and copper solu (millimole); (b	itions with	ferrocyanide	. (a) Taken	
	$K_n \text{Fe}(CN) \ge (mill)$	Imole: (d)	molar ratio:	(e) composition	71
	of the salt cor	responding	to the given	ratio.	
	1	(1) (L)	$(C_n^{2'} + UO_2^{2'})$	(c)	
	Cu ²⁺ UO ₂ ²⁺ Cu ²	/UO ₂ .	Fr(CN)47		1925
	0 0.01			***	
		0:1 0,0078 1:10 0,0810	1,29 K ₁ (UO ₂),	-[Fe(CN) _k la	
	0,01 0,05	0,0365 1:2 0,0232	1,29		
	0,01 0,01	1 : 2 0,6232 1 : 1 0,6145	1,29 K4(Cu, UC		
	0.01 0.01	$1:1 - \{0.0135\}$	1,37 1,34	N)6 1	
	0,03 0,01	3:1 0,0290	1,37		
		5 : 1 0,6370 0 : 1 0,0750	1,63 K ₂ (Cu,U)		
	0,15 0,01 1;	5:1 0,0963	1,05)	17/4[2	
	6:10	6 : 0 0,0415 0 : 0 0,6663	1,45		
card 3/6		0:0 0,1280 0:0 0,1940	1,56 K Collect	CN)alı	
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The Effect of Some Ions on the Precipitation of Uranyl Ferrocyanide from Aqueous Solutions

77753 80V/75-15-1-15/29

Table 2. Amperometric titration of uranium in the presence of Al, Cr, and Ce. (a) Taken (millimole); (b) molar ratio; (c) consumption; (d) remarks; (e) is not titrated; (f) the same; (g) titrating curves are distinct; (i) titrating curves are not distinct; (j) titrating curve not quite distinct.

		a)		16,	(6.	
Aire	Cr+	C ₁ 3+	UO2+	Me ⁸⁺ /UO ₂ *,	K ₄ Fe(CN) ₆ ,	(d)
0, 10 0, 50 0, 01 0, 05 0, 10 0, 30 0, 50 0, 80 1, 00		- - -	0,01 0,01 0,01 0,01 0,01 0,01 0,01	0:1 1:0 5:0 1:1 5:1 10:1 30:1 50:1 80:1 100:1	0,80 (1) (1) (1) 0,90 0,90 0,90 0,90 1,00 1,00	(g)

Card 4/6

The Effect of Some Ions on the Precipitation of Uranyl Ferrocyanide From Aqueous Solutions

77753 SOV/75-15-1-15/29

Table 2. Continued from Card 4/6

(A	J		(-de)	(c)	(cl)
	0,005 0,010 0,0025 0,0050 0,010	0,01 0,01 0,01 0,01 — 0,01 0,01 0,01	1:1 5:1 1:1 .2:1 3:1 5:1 0:0,5 0:1 0,25:1 0,5:1	(2) (f) 0,85 0,80 0,80 0,80 0,80 0,85 0,85 0,85	(f)
= =	0,025 0,050	0.01	2.5:1 5,0:1	0,90	

Card 5/6

The Effect of Some Ions on the Precipitation of Uranyl Ferrocyanide From Aqueous Solutions

77753 SOV/75-15-1-15/29

Table 4. Amperometric determination of uranium in the presence of vanadate (a) Take VO3 (millimole);

(b) taken ... (millimole); (c) ratio ... (millimole), (d) consumption ... for titration (ml); (e) is not titrated; (f) the same.

(a)	(()	(C.) vo; / vo; ,	(L) K.Fe(CN).	(a)	(6) vo;;	(C) VO; / UO;	(d) K.FetCN), 112
0,02 0,08 0,20 0,80 0,04 0,04	0,010 - - - 0,010 0,010	2:0 8:0 20:0 80:0 4:1	0,80 (L) (f) 3 3 3 0,80 0,80	0,03 0,08 0,16 0,40 0,40 0,40	9,010 0,010 0,010 0,015 0,15 0,010	8: 1 8: 4 46: 1 27: 1 27: 4 40: 1	0,75 0,86 0,85 1,27 1,25 0,85 0,90

Card 6/6

VOLKOVA, G.A. Coefficients of the accumulation of radioisotopes of some chemical elements by aquatic insects. Ent. oboz. 42 no.3: 516-519 '63. (MIRA 17:1) 1. Zoologicheskiy institut AN SSSR, Leningrad.

Increased sensitivity of the polarographic determination of uranium in the presence of vanadium and phosphate ions. Zhur. anal.khim.l6 no.3:362-363 My-Je '61. (Uranium-Analysis) (Polarography)

VOLKOVA, G.A.

Call Nr AF 1095038

AUTHOR:

Sochevanov, V. G. (Supervisor), Volkova, G. A., Volkova, S. P., Martynova, L. T., Pakhomova, K. S., Popova, T. P., Rozbianskaya, A. A., Rozovskaya, G. V.,

and Shmakova, N. V.

TITLE:

Methods of Chemical Analysis of Mineral Ores (Metody

khimicheskogo analiza mineral'nogo syr'ya); Polarography

(Polyarografiya). Nr 2.

PUB. DATA:

Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo literatury po geologii i okhrane nedr, Moscow, 1956, 100 pp., 5,000 copies.

ORIG. AGENCY: Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'-

nogo syr'ya (VIMS) Ministerstva geologii i okhrany

nedr SSSR

EDITOR:

Sochevanov, V. G.

PURPOSE:

This is a manual for use in industrial laboratories of agencies under the Ministry of Geology and Conservation

of Mineral Resources of the USSR.

Card 1/11

Call Nr AF 1095038

Methods of Chemical Analysis of Mineral Ores (Cont.)

COVERAGE:

The author claims that the Ministry of Geology and Conservation of Mineral Resources of the USSR first used polarographic analysis of solid mineral resources in the Laboratory of the Ural Geological Administration and later in the laboratories of the Kazakh Geological Administration. Polarographic laboratory equipment is manufactured by the plant "Geologorazvedka" (recording polarographs $C \Gamma - 8$, $C \Gamma M - 8$, polarometers T B - 1), by the Ural Branch of the Academy of Sciences, USSR (polarometer "Ufan"), by the Academy of Sciences of the Kazakh SSR (polarometer T T T - 2), and by the Gintsvetmet (polarometer T B - 5). The following scientists took part in the preparation of the instructions under the direction of V. G. Sochevanov: the staff of the Laboratory of Physicochemical Methods of Analysis (VIMS), T. P. Popova (VSEGINGEO) and A. A. Rozbianskaya (Laboratory of Mineralogy and Geochemistry of Rare Earth Metals of the Academy of Sciences, USSR). The methods were recommended for use in industrial laboratories under the Ministry of Geology and Conservation of Mineral Resources of the USSR by the Methodological Section of the

Card 2/11

Call Nr AF 1095038 Methods of Chemical Analysis of Mineral Ores (Cont.)

Scientific Council of the VIMS, namely: G. A. Lanskiy (Chairman), V. I. Titov (Vice-Chairman), V. M.Pensionerova (Secretary), S. K. Rusanov, V. M. Zvenigorodskaya, V. G. Sochevanov, I. V. Sorokin, L. I. Gerkhardt, I. Yu. Sokolov, and I. V. Shmanenkov (Deputy Director of VIMS, Science Division). It was found that the polarographic method for determination of a few per cent or of traces of the constituents frequently excels orthodox methods. The book gives instructions for the polarographic determination of copper, zinc, cadmium, lead, tin, molybdenum, antimony, indium, and thallium in ores. The polarographic method of analysis is discussed in detail, the equipment is described, and lists of reagents are given. Illustrations of electrolytic cells are given on pp. 6,7,8, and 9. The institutions where the polarographic methods were developed are mentioned in the Table of Contents and in the description of the individual procedures in the text. (Soviet scientists distinguish two types of apparatus: 1. polarometers or "visual polarographs", and 2. recording polarographs or "polarographs".) An extensive bibliography is included. There are 47 references of which 40 are USSR.

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Zinc .
Simplified polarographic method for determination of zinc in sulfide ores
Polarographic determination of zinc in ores containing large amounts of copper
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Determination of zinc after separation of copper by precipitation on lead coil (Method of the Kazakh Geological Administration)

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Volkova, Galina Alekseyevna

- Planirovaniye dobychi nefti pri podderzhanii plastovogo davleniya (Organization of Petroleum Production With Maintenance of Bed Pressure) Moscow, Gostoptekhizdat, 1957. 70 p. (Series: V pomoshch ekonomicheskomu obrazovaniyu neftyanikov) 1,500 copies
- Ed.: Nikolayevskiy, N.M., Doctor of Economic Sciences; Executive Ed.: Dubrovina, N.D.; Tech. Ed.: Polosina, A.S.
- PURPOSE: The booklet is intended for engineers and technicians concerned with the planning of crude oil production.
- COVERAGE: The booklet deals with the special technological features of oil production when the formation is subject to artificial action and when, as a consequence, it becomes necessary to reconsider production planning. Rules and methods for the organization of production planning. tion with the use of water injection into the formation are given,

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Organization of Petroleum Production (Cont.) 697

as well as an example of one design of a production plan. The work is based on the experience of oilfields under the Administration of the Tuymazaneft' (Bashkir ASSR) where boundary flooding has been applied for a long time. The author thanks for their help N.I.Dmitriyev, B.Ya. Gombiner and A.V.Kuznetsov. There are 23 Soviet references.

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LYASS, A.M.; VALISOVSKIY, I.V.; Prinimall uchastiye: YAKOVLEV, V.O.;
EUDANTSEVA, Z.I.; BAGROV, A.A.; VOLKOVA, G.A.

Improving the shakeout of sand mixtures with sodium silicate solutions. Lit. proizv. no.9:33-36 5 '61. (MIRA 14:9)

(Goremaking) (Sand, Foundry)

GETSOVA, A.B.; VOLKOVA, G.A.

Accumulation and elimination of strontium-90 and cesium-137 by the caddis fly Halesus interpunctatus Zett. Dokl. AN SSS: 139 no.2: 483-484 Jl '61. (MIRA 14:7)

1. Zoologicheskiy institut AN SSSR. Predstavleno akademikom Ye.N. Ps.vlovskim.
(Caddis flies) (Strontium-Isotopes) (Cesium-Isotopes)

15-57-4-5662D

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,

p 220 (USSŘ)

AUTHOR:

Volkova, G. A.

TITLE:

Planning Petroleum Production With Artificially Maintained Formational Pressures (Planirovaniye dobychi nefti v usloviyakh razrabotki neftyanykh mestorozhdeniy s podderzhaniyem plastovykh davleniy)

ABSTRACT:

Bibliographic entry on the author's dissertation for

the degree of Candidate of Economic Sciences, presented to Vses. neftegaz n.-i. in-t (All-Union

Gas and Petroleum Institute), Moscow, 1956

ASSOCIATION:

Vses. neftegaz n.-i. in-t (All-Union Gas and

Petroleum Institute)

Card 1/1

SOCHEVANOV, V.G.; VOLKOVA, G.A.; VOLKOVA, L.P.; MARTYHOVA, L.T.;
PANHOMOVA, K.S.; POTOTA T.P.; MOZBIANSKAYA, A.A.;
PANHOMOVA, G.V.; SHMAKOVA, M.V.; AMISIMKIN, I.T., redaktor
izdatel'stve; POPOV, M.D., tekhnicheskiy redaktor

[Methods of chemical analysis of mineral ores; polarography]
Hetody khimicheskogo analiza minerel'nogo syr'ia; pollarografia.
Monkva, Gos. meuchno-tekhn. izd-vo lit-ry po geol. i okhrane
Monkva, Gos. meuchno-tekhn. izd-vo lit-ry po geol. i)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut
mineral'nogo syr'ya.

(Polarography)

VOLKOVA, G.A.; PLESHKO, A.M.

Economic efficiency of using electric sinking pumps. Trudy VNII no.22:126-135 '59.

(Oil well pumps)

(KIRA 15:4)

VOLKOVA, G.A.; BALASHOVA, T.V.; BUCHEVA, V.N.; PLESHKO, A.M.

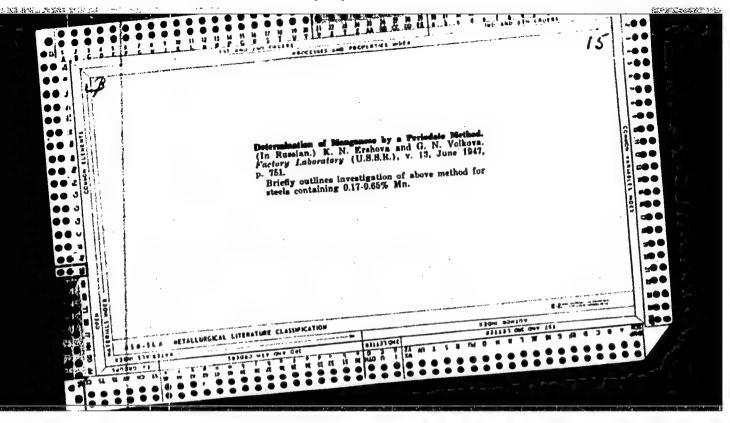
Economic efficiency of remote control methods in oil production.

Trudy VNII no.22:136-149 '59. (MIRA 15:4)

(Oil fields--Electronic equipment) (Remote control)

Economic efficiency of remote control of water-intake wells in edge water flooding. Trudy VNII no.22:150-153 '59. (MiRA 15:4) (Oil field flooding) (Remote control)

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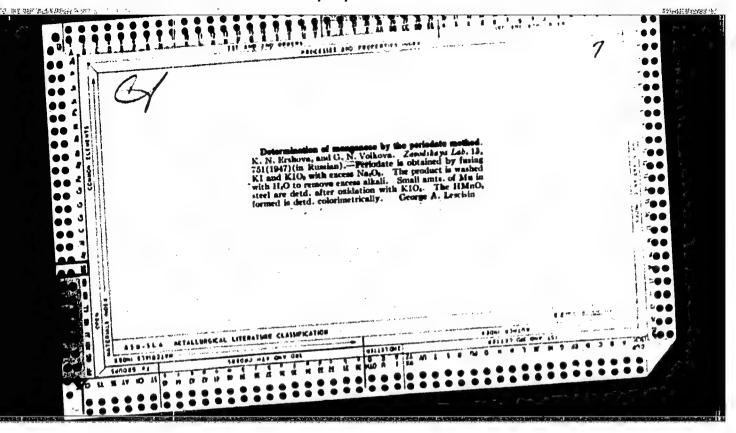
VOLNOVA, G. N.

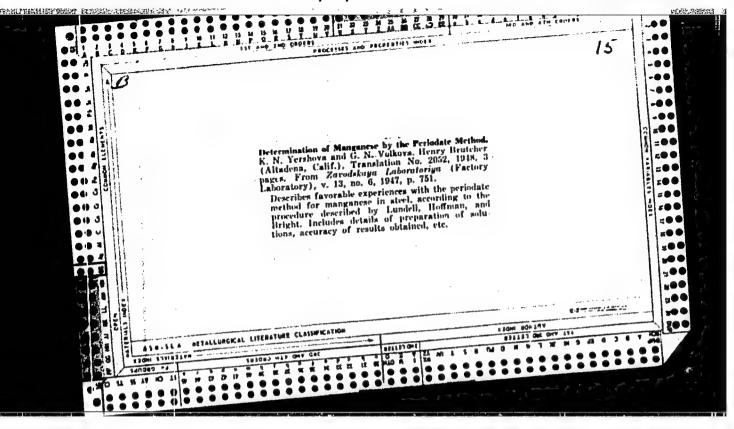
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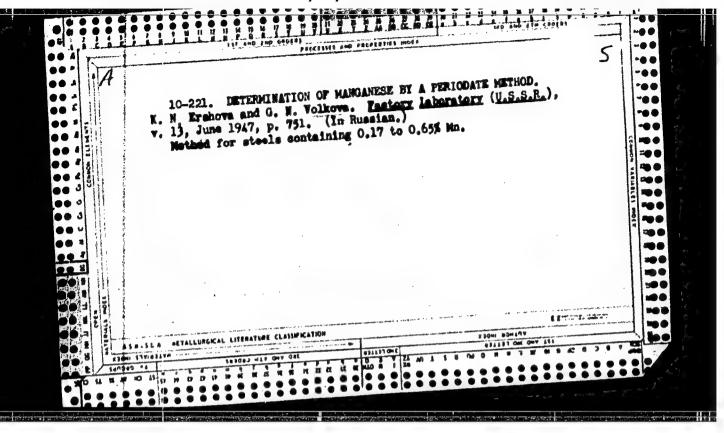
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ZHEDEK, M.S.; KHMELYK, G.G.; MAKSAKOVA, V.A.; SHANYGINA, M.I.; VOLKOVA, G.M.

Stabilization of creamery butter by antioxidants. Report Nc.2: Effect of antioxidants on the keeping quality of butter manufactured by the continuous line method during prolonged storage. Izv. vys. ucheb. zav.; pishch. tekh. no.6:59-63 163. (MIRA 17:3)

1. Khar'kovskiy zooveterinarnyy institut, kafedra khimii i kafedra tekhnologii zhivotnovodchaskikh produktov.

SOV/50-58-7-5/20

Daily Course and the Possible Sums of the Summary Radiation

$$F_2(0) = \frac{S_0 \cos \vartheta_{\Theta}}{1 + \ell_1 \tau_0 \sec \vartheta_{\Theta}}$$
(3)

It was necessary to determine the value of the parameter $\mathcal{E}_1^{\ \tau}$ of or comparing the results obtained by observation with the theoretical calculations. A theoretical solution of this problem is, however, very difficult. If the mentioned formulae are assumed to be semi-empirical, the simpler formula (3) yields the best results. The comparisons carried out showed that a rather close connection exists between the parameter $\mathcal{E}_1^{\ \tau}$ and the transparency coefficient of the atmosphere. The daily sum of the summary radiation may be calculated according to the formulae of Gal'perin if only one measurement of the flux of the summary radiation at m=m and, in the case of cloudless sky which is necessary for the calculation of the parameter $\mathcal{E}_1^{\ \tau}$, is made. If, however, the dependence of this parameter on the transparency conditions of the atmosphere was already previously determined, this single observation is not necessary (in this case the transparency coefficient has of course to be known). From the data in Table 2

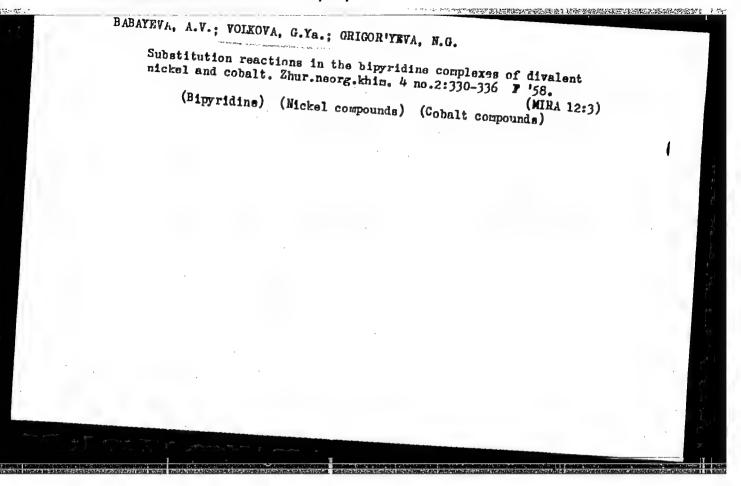
Card 2/3

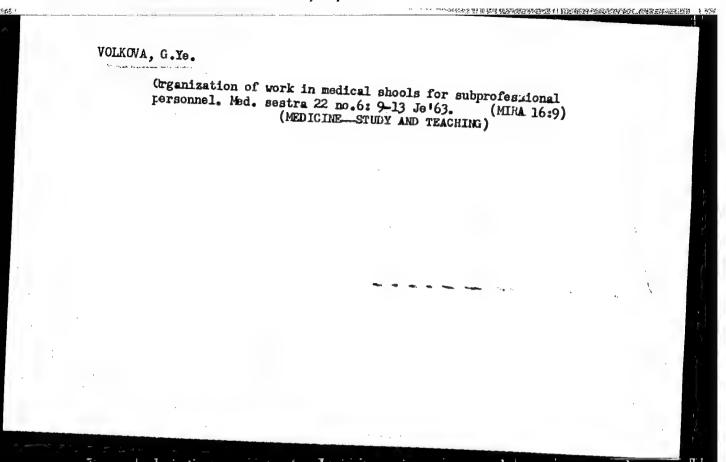
Daily Course and the Possible Sums of the Summary Radiation $\frac{50 \text{V}}{50-58-7-5/20}$

we may conclude that the calculation errors of the possible sums of the summary radiation are quite admissible, when formula (3) is employed. The use of the formulae (1) and (2) and 4 references, all of which are Soviet.

1. Radiation-Theory 2. Mathematics

Card 3/3





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CIA-RDP86-00513R001860610018-0

TENTSOVA, A.I.; VOLKOVA, G.Ye.

Naise the level of training of sub professional pharmaceutical personnel. Apt.delo 8 no.4:27-30 J1-Ag '59. (MIRA 12:10)

(PHARMACY-STUDY AND TEACHING)

AUTHOR:

Volkova, I. B.

20-119-2-43/60

TITLE:

Petrographic Composition and Formation Conditions of Coal in Lower

Mesozoic Coal Beds of Kazakhstan (Petrograficheskiy sostav 1 usloviya obrazovaniya ugley nizhnemezozoyskikh mestorozhdeniy

Kazakhstana)

PERIODICAL:

Doklady Akademii Nauk SSSR, 1958, Vol 119, Nr 2, pp 343 - 346

(USSR)

ABSTRACT:

During the years 1956 - 1957 the author investigated the above mentioned coals in southeast Kazakhstan (Kenderlyk) as well

as in the basins of the river Ilek (Kurashashesay and Sol'-Ilek) and in the Orsk-basin. The characteristics of the coal - bearing deposits of these districts are given in table 1. In the present article different types of coal formation are determined in connection with petrographic particularities of the coals and with the general conditions of sedimentation. The investigated coals are humas-coals according to their structure, but their degree of carbonization permits to classify them as

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soft coal. The initial substance is manifold and on the whole

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Petrographic Composition and Formation Conditions of Coal in Lower Mesozoic Coal Heds of Kazakhstan

consists of remains of higher plants of the classes: Coniferae, Cycadeae, Gingcoaceae, Pteridophytae and Equisetaceae. The uppertriassic coals from Kurashasay mainly consist of stalk-and solid parts of the plants. In the main seam mixo-humolithes are predominant which comists of approximately equal parts of gelidified, fusainized and lipoid components. The microstructure of the coal generally is attritus matrix. Mineral admixtures are present in great quantity. In Kenderlyk lipoid-gelites are dominant. They mainly consist of leaf-tissue with a considerable amount of stalk parts. Apart from residuals of higher plants in Kurashay as well as in Kenderlyk algae occur. The Kenderlyk coals under the microscope show all bedded structures: horizontal, flatoblique and oblique-wave structures. The mineral is high, mainly due to clay substance. The middle-jurassic coals (Orsk-basin) mainly consist of ligneous and stalk tissue. The structure is fragmentary, more rarely attrited. The main coal types usually have a low

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· Petrographic Composition and Formation Conditions of Coal in Lower Mesozoic Coal Beds of Kazakhstan.

> ash content. The coals from Sol'-Ilek are similar to those from Orak. The difference of the former lies in a higher content of ash and in heavy pyritization. . The coal seams here usually are of a complicated structure: they consist of several layers of different types and varieties and are separated from coal-containing and grey arenaceo-loamy rocks by interstratifications. The mentioned differences between coals of different age can be caused by modifications of the vegetation from the upper-triassic to the middle-triassic period. Of determinative importance however are here the conditions under which the accumulation, decomposition and reconversion of the parent substance of the coals have taken place. There is a regular dependence of the conditions of coal formation on the general circumstances of the sedimentation of the coal beds under question. Either intermountain or pre-mountain-valleys (in Rhat-Leias) or wide basin-shaped gorges with very softly sloping borders (in the middle-jurrassic formation) served

Card 3/5

Petrographic Composition and Formation Conditions of Coal in Lower Mesozoic Coal Beds of Kazakhstan

as catchment areas of the lower-mesozoic coal-containing sediments. Their tectonic regime was different (Reference 7) which had an influence on the formation of the early peat bogs. The Kenderlyk-coals have developed in a crevassed terrain and in a quickly mutable, highly irrigated environment. Despite the existing flow the organic substance was mainly decomposed under anaerobic conditions and developed much coal, which corresponds to a fast depression of the sedimentation area. In the Orsk-depression which formed a large fault pit with calm tectonic regime, the coal accumulation took place in a slightly structured plane, in forest bogs and marshes. Here the conditions were at the limit between aerobic and anaerobic ones. Even after small modifications of the physico-geographical circumstances this led towards development of two different transformation processes of plant material: fusaination gelifica. The speed of depression here was extremely small. Most of

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Petrographic Composition and Formation Conditions of Coal in Lower Meso-

the coals here ought to have developed in those places, where plants have grown. In the Kurashasay-suite, the conditions of coal formation of which are similar to those of Kenderlyk in many regards, the plant material was transported before the embedding and crushed on that occasion. The coals of Sol'-Ilek were formed under conditions similar to those of the Orsk-basin. Thus 2 types of coal formation can be distinguished here: 1) Kenderlyk-type, 2) Orsk-and Sol'-Ilek--type(table 2). There are 2 tables; and 8 references, 7 of

ASSOCIATION:

Laboratoriya geologii uglya Akademii nauk SSSR (Laboratory for Coal Geology of the AS, USSR)

PRESENTED:

December 28,1957, by D. V. Nalivkin, Member, Academy of

SUBMITTED:

December 24, 1957

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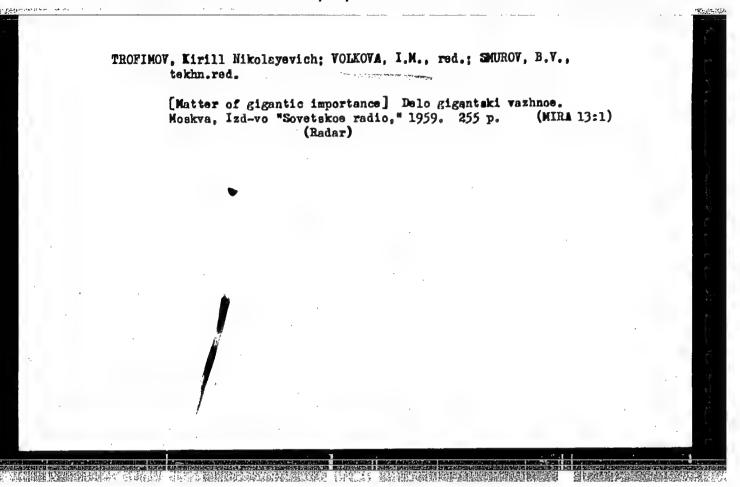
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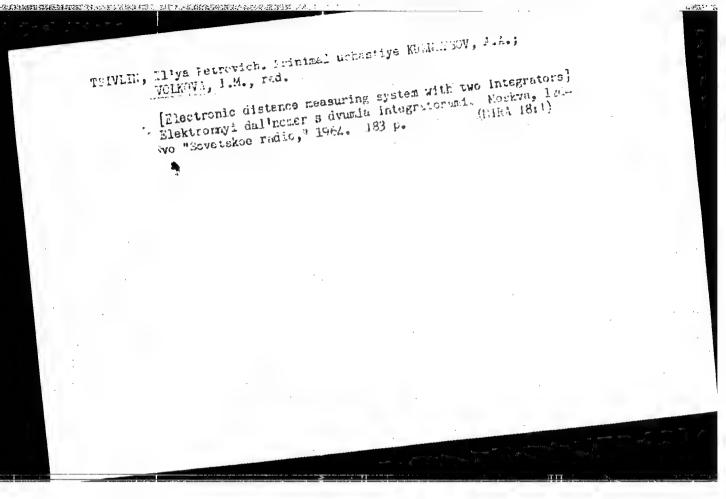
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BHOYDE, A.M., red.; GAL'PERIN, Ye.I., zem.otv.red.; KAMENETSKIY,
Yu.A., red.; KONEV, Yu.I., red.; KRASILOV, A.V.; red.; KULIKOVSKIY,
A.A., red.; NIKOLAYEVSKIY, I.F., red.; STEPANENKO, I.P., red.;
VOLKOVA, I.M., red.; SVESHNIKOV, A.A., tekhn.red.

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VAZHENINA, Zoya Pavlovna. Prinimal uchastiye SUSLOV, Nikolay Aleksandrovich; VOLKOVA, I.M., red.

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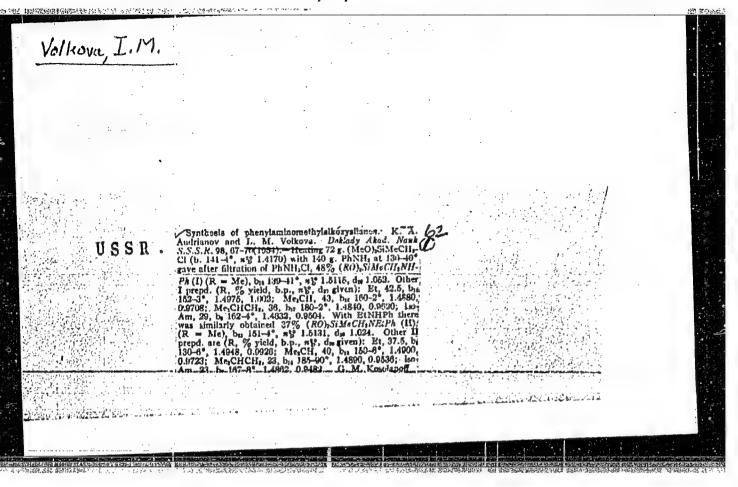
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PEDOTOV, Ya.A., otv.red.; BARKANOV, N.A., red.; BERGEL'SON, I.G., red.;

BROYLE, A.M., red.; GAL'PERIN, Ye.I., red.; KAMEHETSKIY, Yu.A.,

red.; KAUSOV, S.F., red.; KOHEV, Yu.I., red.; KRASILOV, A.V.,

red.; KULIKOVSKIY, A.A., red.; NIKOLAYEVSKIY, I.F., red.;

STEPANENKO, I.P., red.; VOLKOVA, I.M., red.; SMUROV, B.V.,

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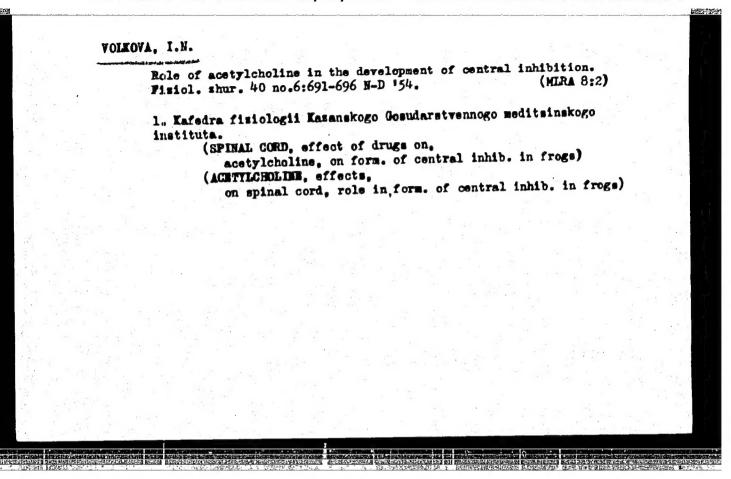
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653 p. (Semiconductors) (Transistors)

USSR/Medicine - Acetylcholine (Contd) acetylcholine synthesis, which is reflected in acetylcholine synthesis, which is reflected in acetylcholine synthesis, which is reflected in acetylcholine in spine. Acetylcholine eliminates braking of reflexes. Acetylcholine and eserine physiostigmine exert a braking and eserine physiostigmine exert a braking and eserine physiostigmine when affect on the reflex action of frog spine when added in high concus in this soln, they when present in low concus in this soln, they when present in low concus strengthens periphacetylcholine in low concus is a necessary eral stimulus, but in high concus is a necessary factor for bringing about central braking. Factor for bringing about central braking. Factor for bringing about central braking.	USSR/Medicine - Acetylcholine "The Significance of Acetylcholine in Establish- "The Significance of Acetylcholine in Establish- ing Central Braking," I. N. Volkova, Chair of ing Central Braking," I. N. Volkova, Chair of ing Central Braking," I. N. Volkova, Chair of Physiol, Kazan' State Med Inst Physiol, Kazan' State Med Inst Perfusate from veins of frog spine during braking Perfusate from veins of frog spine during braking spine's reflex activity loses braking properties on addn of cholineesterase (extract from dog on addn of cholineesterase (extract from dog on addn of cholineesterase (extract from dog on addn of presence of acetylcholine. Disturbance depend on presence of acetylcholine. Disturbance of phospholipide metabolism produced by extir- of phospholipide metabolism produced by extir- of pancreas leads to disturbance of pation of pancreas leads to disturbance of
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VOLKOVA, I.N.: "On the role of acetylchloine in the mechanism of developing inhibition in the central nervous system". Kazan', 1955. Kazan' State Medical Inst. (Dissertations for the Degree of Candidate of Medical Sciences.)

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